

# Industrial Wastewater Treatment Systems

## Innovator Series

by **waterMaze**  
WATER TREATMENT SYSTEMS

### CoAg2-20A System | FEATURES

#### Advanced Chemical Treatment

The Water Maze CoAg2-20A System is an advanced chemical treatment system, using the method of adding a chemical coagulant and polymer to the treatment process, to efficiently remove suspended solids and emulsified oils from the waste stream.

The new Water Maze CoAg2-20A System is a very low maintenance, cost effective system to operate. The CoAg2-20A can be used on its own as the primary water treatment system, or as a pre-treatment system with other technologies, such as Electro-Coagulation or Bioremediation.

■ The CoAg2-20A System employs chemical coagulation and chemical flocculation treatment technologies to enhance and speed up the process of removing suspended solids and emulsified oils from the waste water. It may create water quality that is recyclable, or good enough for discharge to sanitary sewer.

■ Water Maze uses **CoAg+** which is a proprietary coagulant specifically formulated to treat suspended contaminants. After the coagulant has been added, the EC+ polymer is then injected to quickly clump the coagulated contaminants together for removal. The chemical process is highly efficient, allowing for adequate mixing and dwell time.

■ Two 150 gallon **Processing Tanks** located on board, stand empty except for when processing water. Without standing water, the need for odor control is eliminated.

■ The onboard **PLC Control System** automatically monitors and controls the filling and purging of each tank. Once the in-feed pump stops feeding water into the system, the PLC will allow time for chemical reaction, before automatically purging each tank.

■ Air actuated **Control Valves** for directing water flow (inlet and outlet).

■ Simple and **Automated Operation** with one button control.

■ One **Electrical In-feed Pump** with two peristaltic pumps, PLC controlled.

■ **Main Door** with quick-release lockable latch allows for easy service access; skid with carbon steel support frame and cabinet with a two part epoxy primer and polyurethane finish.

#### Features & Benefits:

- Processing flow rates up to 20 GPM (gallons per minute)
- No standing water in the tanks after processing - water is processed and discharged; eliminates need for odor control
- Modular and compact, uses inline mixing tubes for coagulant
- Modular, can be used alone or as a pre-treatment system
- Batch feed, continual flow processing system through two 150 gallon cone-bottom tanks



**Model CoAg2-20A**  
(P/N 1.103-487.0)

■ **Internal tanks** are cone bottom design with automatic purge system for easy sludge removal.

ETL Certified  
to UL-73 and CSA  
22.2/68-69 Standards



PATENT PENDING

#### CoAg2-20A Specifications

Features	Description
Process Flow Rate	Up to 20 GPM
Compressed Air Supply	5 CFM @ 85 PSI
Electrical	230V 1ph 20 amps
Dimensions	78" L x 58" W x 81"H
Ship Weight	1,330 lbs
Available Options	- pH Controller - Stainless Steel Skid with powder coat finish